

AGS/Poker TOTS Schedule for March/April '98

Support to 7 Satellites assuming a two tier priority scheme

SPOT-4 is a TOTS LEOP requirement.
TRACE LEOP support is all visible.

Assuming all support in Polar Region must use TOTS						
SPOT-4	FAST	TRACE	TOMS-EP	SNOE	Sampex	IRS-1D
10.2	10.8	10.2	10.1	10.2	10.1	9.9
all	all	6.0	all	1.0	1.0	6.0
6.1	5.2	5.9	6.2	1.3	1.4	1.4
61%	48%	98%	61%	130%	140%	24%
61%	48%	58%	61%	13%	14%	14%
						Visible at AGS Requirement
						Daily supports
						%of required
						%of visible

Assuming AGS 11 mtr. available for 1 shift						
SPOT-4	FAST	TRACE	TOMS-EP	SNOE	Sampex	IRS-1D
7.7	6.3	7.5	7.3	1.4	1.5	2.9
75%	58%	125%	72%	140%	150%	49%
75%	58%	74%	72%	14%	15%	29%
						Daily supports
						% of required
						% of visible

time frame: TBD						
Assuming AGS 11 mtr. available continuously.*						
SPOT-4	FAST	TRACE	TOMS-EP	SNOE	Sampex	IRS-1D
9.2	9.0	9.2	9.2	1.8	1.9	5.2
92%	83%	150%	91%	180%	190%	81%
92%	83%	90%	91%	18%	19%	51%
						Daily supports
						% of required
						% of visible

Notes and assumptions.

Analysis shows estimate for potential unconflicted support.

The analysis is based upon one month of satellite propagation.

Precise positions of LEOP missions are based on nominal (final) orbit.

GN operational concerns not necessarily modeled except for nominal 10 minute turnaround.

All supports (incl. FAST) assumed to be AOS to LOS (above 5 degree mask).

Scheduling algorithm defines only two priority levels.

This algorithm is not the same used for operational Scheduling of missions.

eg. TRACE is over scheduled above for normal support operations.

This analysis refers only to the AGS site.

Support for most of these mission will also be garnered at WGS, SGS and MGS.

Thus, unmet requirements may be replaced by supports at other site.

Please, refer to composite Loading Analysis for final assessment.

This analysis assumes all Satellites can be supported in unattended mode on TOTS.

* To make same assumption for the 11 mtr. may require the installation of the automation software.